

## Complete Summary

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### TITLE

Acute pharyngitis: percentage of patients with a diagnosis of pharyngitis that had strep screen testing.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 May. 33 p. [39 references]

## Measure Domain

### PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### SECONDARY MEASURE DOMAIN

Does not apply to this measure

## Brief Abstract

### DESCRIPTION

This measure is used to assess the percentage of patients with a diagnosis of pharyngitis that had strep screen testing.

### RATIONALE

The priority aim addressed by this measure is to reduce excessive antibiotic treatment through decreased empiric treatment of patients with pharyngitis.

### PRIMARY CLINICAL COMPONENT

Acute pharyngitis; strep screen (rapid strep test [RST], strep throat culture [STCX])

### DENOMINATOR DESCRIPTION

Number of patients with a diagnosis of pharyngitis as identified by the following International Classifications of Diseases, Ninth Revision (ICD-9) codes: 462.0 and 034.4

#### NUMERATOR DESCRIPTION

Number of patients who received a strep screen

#### Evidence Supporting the Measure

#### EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

#### NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Acute pharyngitis.](#)

#### Evidence Supporting Need for the Measure

#### NEED FOR THE MEASURE

Unspecified

#### State of Use of the Measure

#### STATE OF USE

Current routine use

#### CURRENT USE

Internal quality improvement

#### Application of Measure in its Current Use

#### CARE SETTING

Physician Group Practices/Clinics

#### PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

#### LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

## TARGET POPULATION AGE

Age greater than or equal to 3 years

## TARGET POPULATION GENDER

Either male or female

## STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

## Characteristics of the Primary Clinical Component

### INCIDENCE/PREVALENCE

After viral upper respiratory infection (VURI) and otitis, acute pharyngitis and/or tonsillitis is the third most common illness diagnosed by United States (U.S.) pediatricians.

### EVIDENCE FOR INCIDENCE/PREVALENCE

Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 May. 33 p. [39 references]

### ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

### BURDEN OF ILLNESS

Rheumatic fever is a nonsuppurative complication of group A beta streptococcal (GABS) pharyngitis. The risk of developing rheumatic fever is about 3% under epidemic conditions and approximately 0.3% under endemic conditions.

### EVIDENCE FOR BURDEN OF ILLNESS

Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 May. 33 p. [39 references]

### UTILIZATION

Throat complaints account for more than 19 million clinic visits each year.

### EVIDENCE FOR UTILIZATION

Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 May. 33 p. [39 references]

## COSTS

Unspecified

## Institute of Medicine National Healthcare Quality Report Categories

### IOM CARE NEED

Getting Better

### IOM DOMAIN

Effectiveness

## Data Collection for the Measure

### CASE FINDING

Users of care only

### DESCRIPTION OF CASE FINDING

Patients with pharyngitis diagnosis

Identify patients with pharyngitis diagnosis of 462.0 and 034.4. Some medical groups will be able to identify the population of patients through patient computer records.

The medical record of each patient is reviewed to determine if the patient had either a rapid strep test (RST) or strep throat culture (STCX).

The suggested time period for data collection is a calendar month.

### DENOMINATOR SAMPLING FRAME

Patients associated with provider

### DENOMINATOR INCLUSIONS/EXCLUSIONS

#### Inclusions

Number of patients with a diagnosis of pharyngitis as identified by the following International Classifications of Diseases, Ninth Revision (ICD-9) codes: 462.0 and 034.4

Exclusions  
Unspecified

#### DENOMINATOR (INDEX) EVENT

Clinical Condition

#### DENOMINATOR TIME WINDOW

Time window is a single point in time

#### NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions  
Number of patients who received a strep screen

Exclusions  
Unspecified

#### NUMERATOR TIME WINDOW

Encounter or point in time

#### DATA SOURCE

Administrative data  
Medical record

#### LEVEL OF DETERMINATION OF QUALITY

Individual Case

#### PRE-EXISTING INSTRUMENT USED

Unspecified

### Computation of the Measure

#### SCORING

Rate

#### INTERPRETATION OF SCORE

Better quality is associated with a higher score

#### ALLOWANCE FOR PATIENT FACTORS

Unspecified

## STANDARD OF COMPARISON

Internal time comparison

## Evaluation of Measure Properties

## EXTENT OF MEASURE TESTING

Unspecified

## Identifying Information

## ORIGINAL TITLE

Percentage of patients with a diagnosis of pharyngitis that had strep screen testing.

## MEASURE COLLECTION

[Acute Pharyngitis Measures](#)

## DEVELOPER

Institute for Clinical Systems Improvement

## ADAPTATION

Measure was not adapted from another source.

## RELEASE DATE

2003 May

## REVISION DATE

2005 May

## MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2003 May. 27 p.

## SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Acute pharyngitis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 May. 33 p. [39 references]

## MEASURE AVAILABILITY

The individual measure, "Percentage of patients with a diagnosis of pharyngitis that had strep screen testing," is published in "Health Care Guideline: Acute Pharyngitis." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: [www.icsi.org](http://www.icsi.org); e-mail: [icsi.info@icsi.org](mailto:icsi.info@icsi.org).

## NQMC STATUS

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